



DEPARTMENT OF THE ARMY
OFFICE OF THE SECRETARY OF THE ARMY
107 ARMY PENTAGON
WASHINGTON DC 20310-0107

Office, Chief Information Officer / G-6

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SAIS-ZA

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Army Policy for Windows NT 4.0 Replacement and Active Directory (AD) Implementation

1. References:

- a. Memorandum, SAIS-ZA, 14 February 2000, subject: U.S. Army Preliminary Guidance for Deploying Windows 2000.
- b. Army CIO/G-6, 1 September 2003, Army Knowledge Management Implementation Plan.
- c. Network Enterprise Technology Command (NETCOM), 24 November 2003, Active Directory Forest/Domain/Top-Level Organizational Unit Implementation Approval Process.
- d. DAMO-AOC-CAT TO ALARACT, G3 DIRECTED ACTIONS TO CORRECT IAVA DEFICIENCIES, 24 July 2003.

2. Scope. This memorandum applies to the Active Army, the Army National Guard, and the U.S. Army Reserve.

a. This memorandum replaces reference 1.a and establishes Army policy for replacement of Windows NT 4.0 Network Operating System with Windows 2000 or better. This guidance is consistent with reference 1.b, which requires replacement of the NT 4.0 Network Operating System before Microsoft support ends 31 December 2004. In addition, this guidance is expanded to cover the replacement of all Windows 9X and Millennium Edition versions of the operating system on the desktops per reference 1.d.

b. This memorandum establishes Army policy and procedures for the transitioning to Windows Active Directory (AD) within the Army Enterprise Infostructure (AEI) including:

- (1) Approval of forests, domains, and Top Level Organizational Units (OUs).

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(2) Development of Site Specific Installation Plan (SSIP) and migration execution.

(3) Operation and management of AD within the AEI.

3. Policy. As the Army Chief Information Officer (CIO/G-6), I am committed to the goal of transitioning the Army off Windows NT 4.0 and implementing AD within the Army Enterprise in a controlled multiple forest environment using Army established guidelines and standards. All Army organizations will comply with the decisions reached through the Forest/Domain Approval Process at reference 1.c, which includes the following:

a. When organizations replace NT 4.0, Windows 9X and Millennium Edition versions operating systems, they will use the AEI Enterprise Software Consolidation (ESC) Microsoft Contract, via the Army Small Computer Program web site at the following URL: <https://ascp.monmouth.army.mil>. Major Army Commands (MACOM) currently under an existing licensing agreement will fulfill their contractual obligations before utilizing the AEI ESC contract.

b. NETCOM is responsible for operating, managing, and defending the Army's infostructure, and therefore will standardize the implementation of all AD forest, domain, and site domain controllers (AD Backbone).

c. The Army has approved the implementation of 13 AD forests that have been identified to satisfy user and organizational requirements. The 13 forests are: Continental United States, National Guard, Army Reserve, Corps of Engineers, Medical Command, Accessions Command, Europe, Pacific, Korea, Southwest Asia, Tactical/Deployed, Education, and Enterprise Application. Organizations will use the established guidance cited in reference 1.c for joining one of the established AD forests or justify the establishment of an additional forest. NETCOM has established an AD technical working group to ensure user requirements are satisfied and properly integrated into the AEI in accordance with Army Knowledge Management (AKM) Strategic Goal 3. The Army intends at a later date to collapse a number of these forests to reduce the overall cost of information technology services.

d. NETCOM and the Program Executive Officer for Enterprise Information Systems (PEO EIS)/Product Manager Business Enterprise Systems (PM BES) will work with Army organizations to support the planning of their implementation of AD and ensure enforcement of standards within the Army AD Enterprise. Additionally, the NETCOM Theater Network Operations and Security Centers (TNOSCs) will operate and manage the Army AD Backbone for all Army forests.

e. Due to time and funding constraints, AD installation migration will be primarily accomplished by the efforts of sponsoring organizations (i.e., HQDA functional

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agencies, Installation Management Agency, MACOMs, PEOs) that own and support their Windows servers and associated desktop environments. Sponsoring organizations will work through the installation Director of Information Management (DOIM) or equivalent Signal battalion to document their migration planning requirements and resources in a consolidated installation-level SSIP. The DOIM or Signal battalion will coordinate with the Regional Chief Information Officer and the Theater Network Operation Security Center (TNOSC) for installation implementation, technical, and scheduling requirements to connect to the supporting AD forest backbone in their theater of operations.

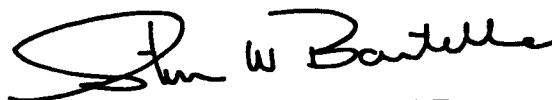
f. In addition to the replacement of NT 4.0 Local Area Networks, all other NT 4.0 servers must be removed from the Army network by December 2004. The sponsoring organizations for the existing NT 4.0 servers (e.g., file, print, and applications servers) not being replaced as part of the AD implementation will be responsible for ensuring the upgrades to the appropriate environment are accomplished by December 2004 to include any hardware, software, and application modifications that may be required.

g. NETCOM has published the enclosed set of technical guidelines to assist sponsoring organizations with the replacement of Windows NT 4.0 servers and 9X Desktops to a Windows 2000 or better operating system, as well as guidelines for implementation of AD and development of the SSIP. These documents are located at the Army Knowledge Online (AKO) Collaboration Tab under NETCOM/9th ASC in the Enterprise Systems Technology Activity (ESTA) Public Knowledge Center in the AD Folder.

4. Responsibility: NETCOM is responsible for maintaining this policy and synchronizing the Army's implementation of AD.

5. Points of Contact: Questions regarding AD implementation may be directed to Army CIO/G-6, Patricia Bodenstein, DSN 332-7517, commercial (703) 602-7517, patricia.bodenstein@us.army.mil; NETCOM, Robert Bachert, DSN 821-1855, commercial (520) 533-1855, robert.bachert@us.army.mil, or PM BES, MAJ Earl Robinson, DSN 656-0577, commercial (703) 806-0577, earl.robinson@us.army.mil.

Encl



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Guidance Documents on Deploying Active Directory in the Army

NETCOM and PMBES Active Directory (AD) team developed a set of documents that provides information on all AD topics that are relevant to deploying, implementing, and migrating off of Windows NT 4.0 into an Active Directory environment. These documents are located on AKO. Listed below is a short description of each document:

Active Directory (AD) Preparation for Implementation Guidance (NT 4.0 to W2K)

This document provides basic information for required actions by installations/major subordinate commands prior to the migration of the existing NT4.0 networks to Active Directory (AD). This document is not intended to be all-inclusive, but a high-level checklist with recommended steps that should be taken to prepare prior to implementation of an AD migration. Detailed technical information for overall implementation is contained in the AD Technical Implementation Guide.
NETC-EST-G-0306-0001-STD

Active Directory Implementation Site Migration Planning Guidance

The purpose of this document is to outline and provide general guidelines, policies and planning templates for Army installations to use to migrate from legacy systems to the Army Active Directory (AD) environment. This document spells out the Site Specific Installation Plan (SSIP) process. The migration to Army AD will include: Computer Accounts, User Accounts, Groups, and Shared Resources. The AD migration will not include migration of Exchange 5.5 and Desktop operating systems.
NETC-EST-G-0307-0001-GD

Active Directory Concept of Operations (CONOPS)

This document describes the concept of operations (CONOPS) that Army organizations will use to implement and operate Active Directory (AD) across all Theaters of Operations. This document establishes that NETCOM provides the overall guidance for the standards, responsibilities, and processes necessary to migrate from the current IT environment to AD based on Army CIO/G-6 AKM policy. It describes the organizational relationships, management responsibilities, and the migration strategy.
NETC-EST-G-0306-0001-CON

Enclosure

Active Directory Forest/Domain/Top-Level Organizational Unit Implementation Approval Process

This document provides the information required for organizations to request approval to implement Active Directory (AD) and to ensure all AD user requirements are address.

This document spells out the processes required for approval of forest/domains and top-level OU's.

NETC-EST-G-0306-0002-STD

Active Directory Guidance on How to Join A Forest

This document presents the procedures, requirements, and checklists for an organization at any level to become a member of the forest by joining a domain or a Top-Level Organizational Unit (OU) into an existing forest. This document will help to standardize the process and help to insure standard configurations in the AEI.

NETC-EST-G-0306-0003-STD

Active Directory (AD) Administration Responsibilities and Technical Guidance

This document provides the model for system administration of the Army Active Directory (AD) Forest. This document discusses the AD Forest structure and management of all the components within that structure. The AD administration model is based on a maximum delegation model. This model meets the Army's AD administration requirements and defines the process of how to initiate changes to this model.

NETC-EST-G-0306-0004-STD

Active Directory (AD) Operations and Management Cost Model

This document provides planning guidance for the estimation of reimbursable costs for RCIOs and DOIMs during Active Directory Operations And Management. It is based on cost parameters associated with Theater Network Operations and Security Centers (TNOSC) support.

NETC-EST-G-0306-0005-STD

Active Directory (AD) Organizational Unit (OU) Structure Guidance

This document provides guidelines for the establishment of Organizational Units (OU) within the Army Enterprise Active Directory (AD) structure. This document discusses the OU criteria for establishment, design and implementation within the AD Enterprise.

NETC-EST-G-0306-0006-STD

Active Directory (AD) Technical Implementation Guidance

This document applies the approved architecture for the U.S. Army Active Directory forest to provide a starting point for designing local implementations of Active Directory within the Army Enterprise.

NETC-EST-G-0306-0007-STD

Active Directory (AD) Domain Design Technical Guidance

This document provides guidance for designing child domains within Army Active Directory (AD) forests. This document also provides the recommended number of domain controllers for a domain hub and domain replicas placement guidance and technical description of AD.

NETC-EST-G-0306-0008-STD

Army Enterprise Infrastructure Directory Services Naming Conventions And Standards

This document presents standards, policies, and procedures for the naming conventions for the Department of the Army (DA) Active Directory (AD) Services and Registration. As such, it is a guidance document for the registration hierarchy of AD for the Army, and refers to policies and procedures for Army AD registration. This document defines policies concerning implementation of the process, roles and responsibilities, and the operation and management process. This document also describes the formats and structures used to name objects and components in the AD.

NETC-EST-G-0306-0009-STD
